

Fig.1

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Fig.2

20 50 60 GAUCGUUAGCUUCUCCUGAUAAACUAAUUGCCUCACAUUGUCACUGCAAAUCGACACCUA 100 **UUAAUGGGUCUCACCUCCCAACUGCUUCCCCCUCUGUUCUUCCUGCUAGCAUGUGCCGGC** GAGTGGAGGGTTGAC GAAGGGGGAGACAAG CG 130 140 160 170 AACUUUGUCCACGGACACAAGUGCGAUAUCACCUUACAGGAGAUCAUCAAAACUUUGAAC TTGAAACAGGTGCCTGTGTTCACGCTAT IACTTGI 119-133 200 190 AGCCUCACAGAGCAGAAGACUCUGUGCACCGAGUUGACCGUAACAGACAUCUUUGCUGCC TCGGAGTGTCTCGTCTTCTGAGACA 178-190 191-205 260 270 280 290 UCCAAGAACACAACUGAGAAGGAA<u>A</u>CCUUCUGCAGGGCUGCGACUGUGCUCCGGCAGUUC TGGAAGACGTCCCGACGCTGACACGAGGCC 265-279 280-294 310 330 350 320 UACAGCCACCAUGAGAAGGACACUCGCUGCCUGGGUGCGACUGCACAGCAGUUCCACAGG 370 390 400 CACAAGCAGCUGAUCCGAUUCCUGAAACGGCUCGACAGGAACCUCUGGGGGCCUGGCGGGC GCTAAGGACTTTGCC|GAGCTGTCCTTGGAG 391-405 376-390 440 450 460 470 **UUGAAUUCCUGUCCUGUGAAGGAAGCCAACCAGAGUACGUUGGAAAACUUCUUGGAAAGG** 500 520 CUAAAGACGAUCAUGAGAGAGAAAUAUUCAAAGUGUUCGAGCUGAAUAUUUUAAUUUAUG 550 560 590 570 580 600 AGUUUUUGAUAGCUUUAUUUUUUAAGUAUUUAUAUAUUUAUAACUCAUCAUAAAAUAAAG

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Fig.3

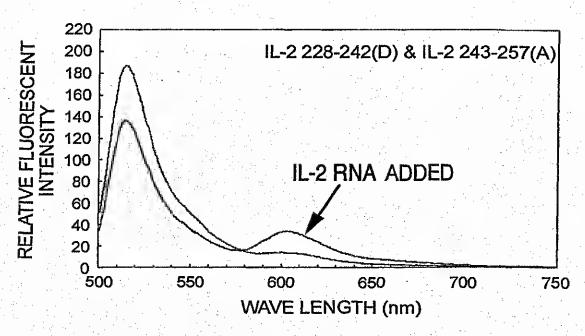
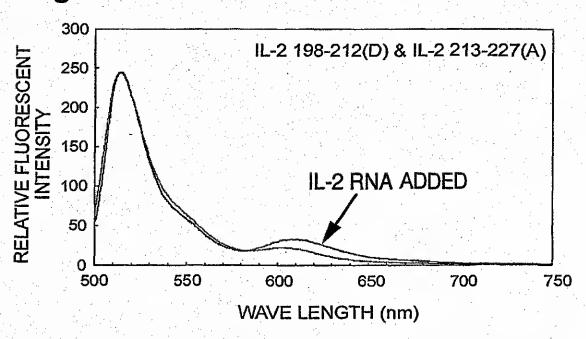


Fig.4

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Fig.5

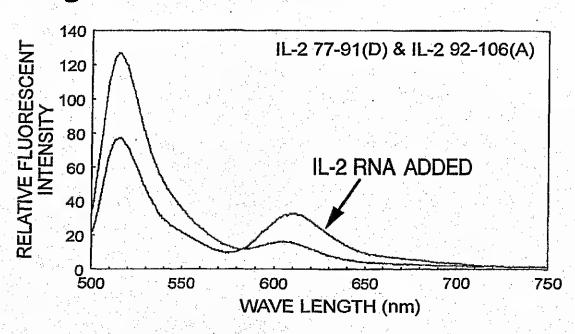


Fig.6

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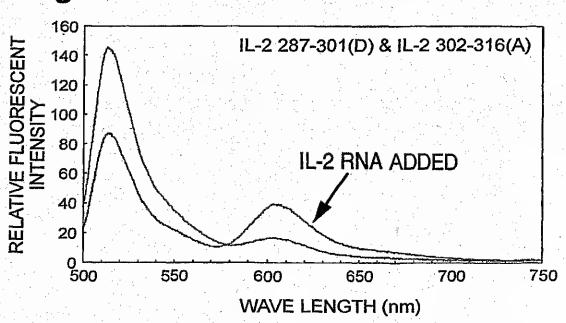
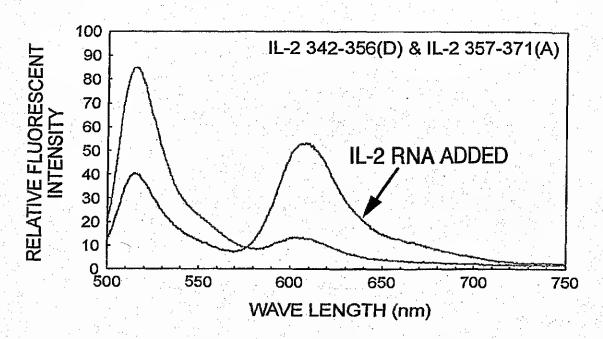




Fig.7







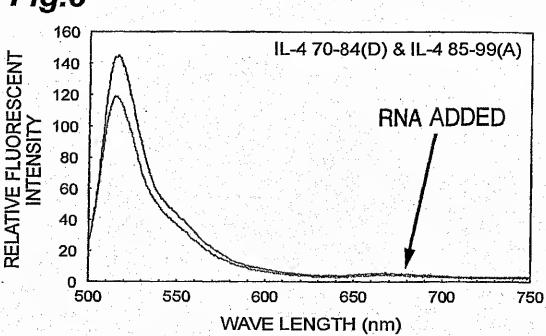


Fig.9

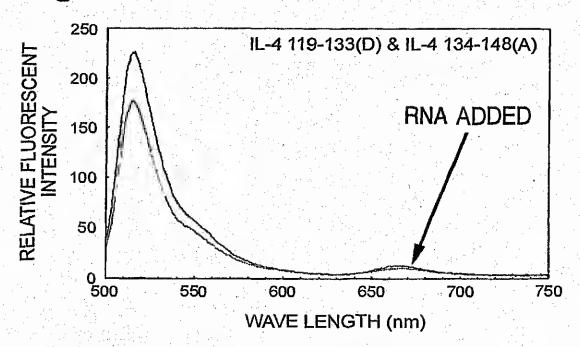
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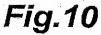
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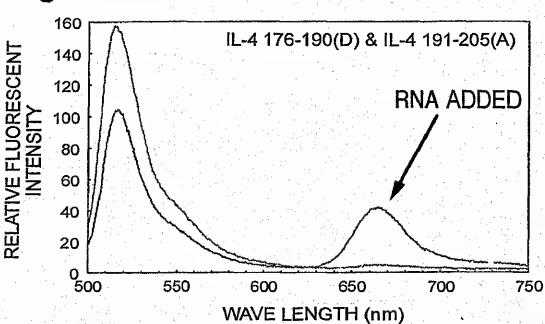


Fig.11

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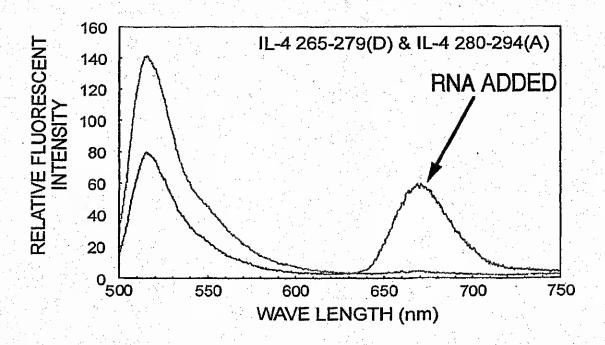


Fig.12

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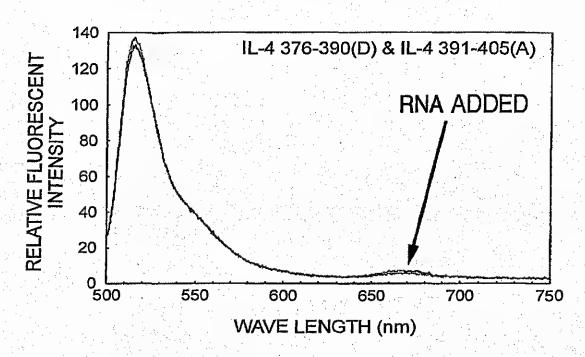
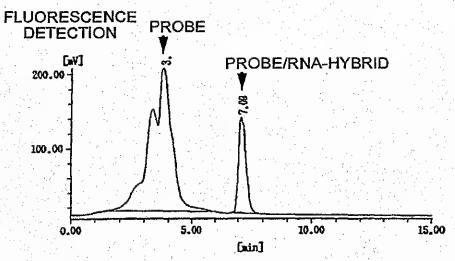






Fig.13

IL-2 342-356



RATIO OF AREAS 79.7%: 22.8%

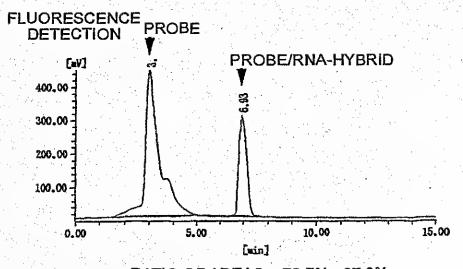
Fig.14

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IL-2 357-371



RATIO OF AREAS 72.7%: 27.3%





Fig.15

IL-4 119-133

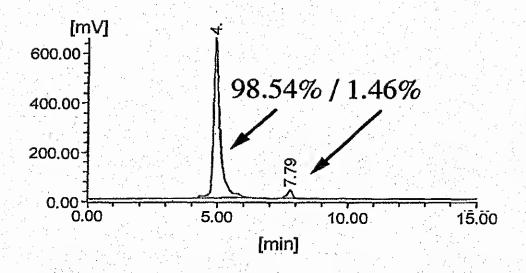


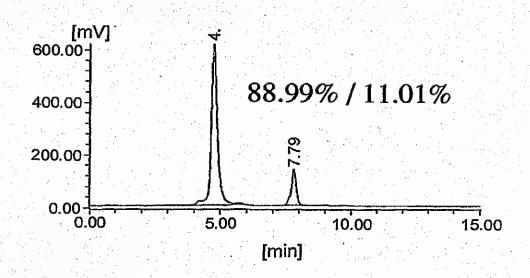
Fig.16

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IL-4 134-148



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Fig.17

IL-4 265-279

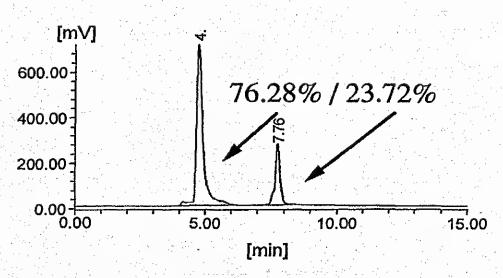


Fig.18

IL-4 280-294

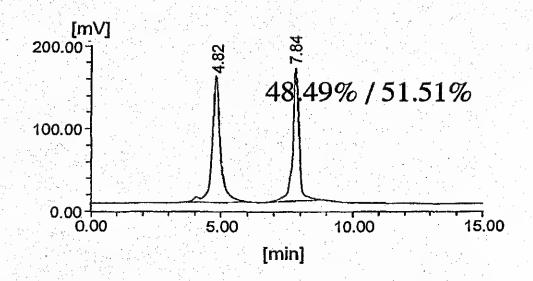
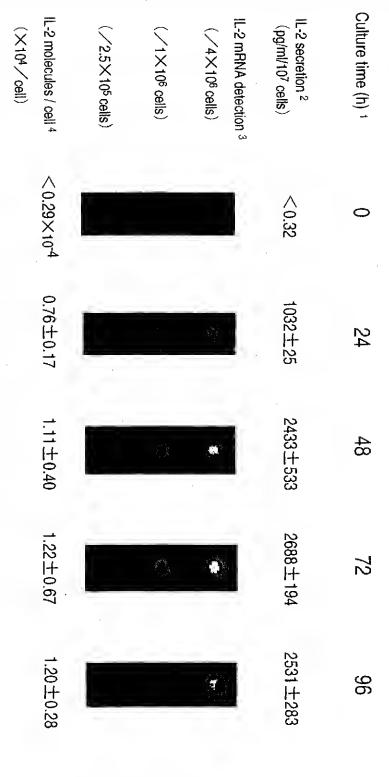


Fig. 19

ACT STATES



¹ Time after adding 10 nM PMA, 0.5 mg/ml anti-human CD3 antibody and anti-human CD28 antibody to cultured Jurkat E6-1 cells

² The concentration of IL-2 in the culture supernatants measured by ELISA using anti-human IL-2 antibody

^{3, 4} Determination of cellular IL-2 expression level by dot blotting using RNA probe complementary to human IL-2 mRNA

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Fig. 20

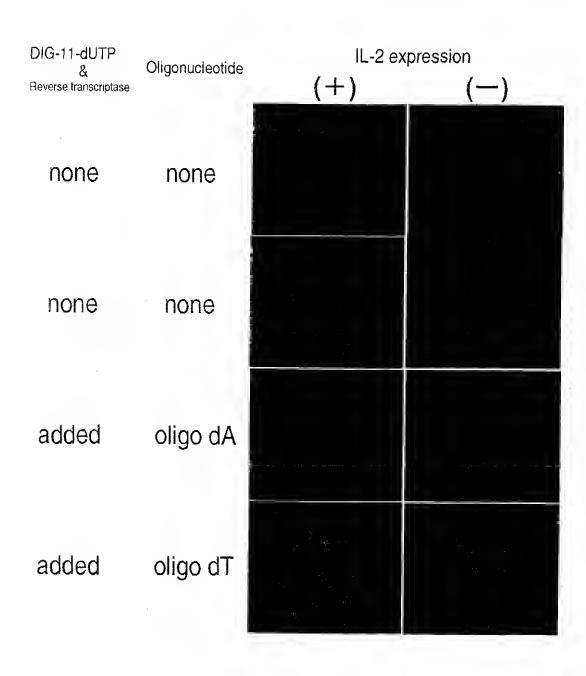
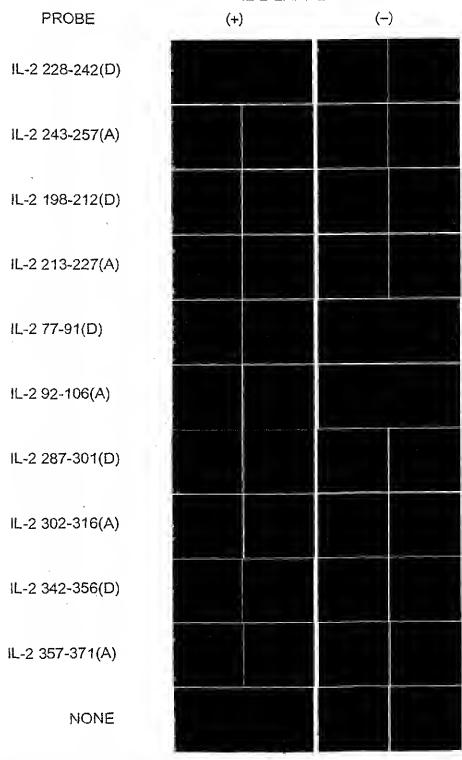


Fig. 21





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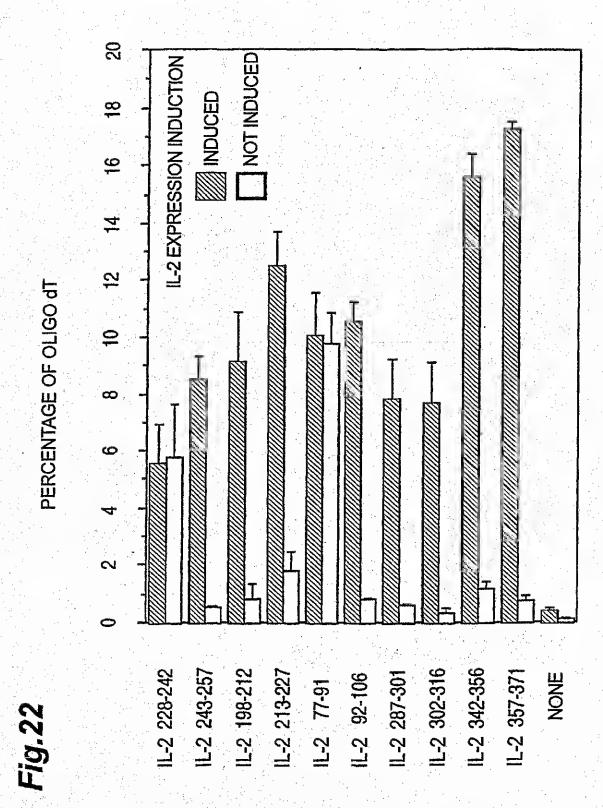
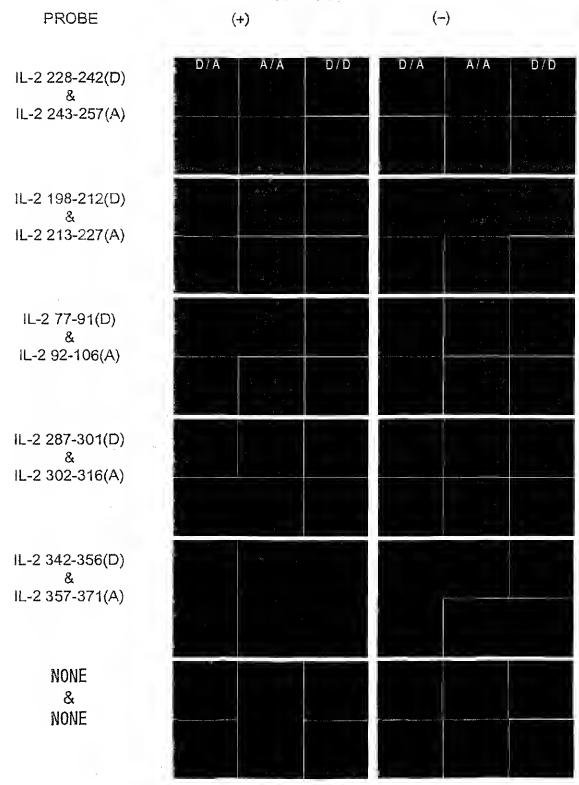
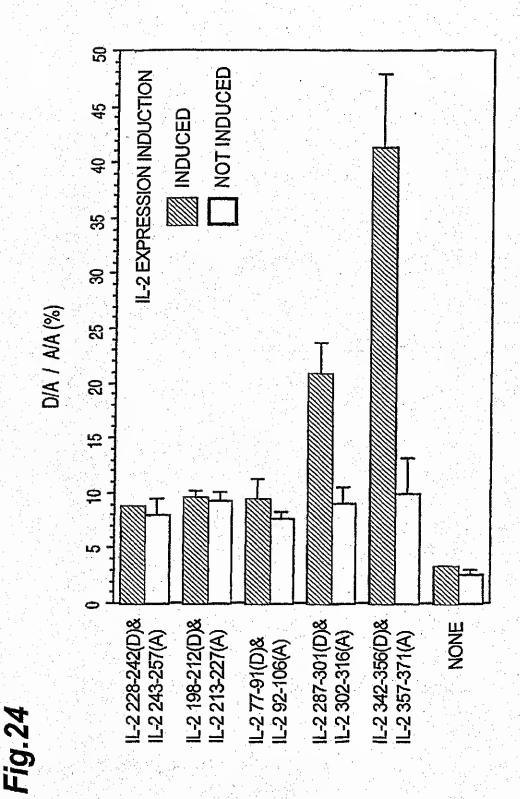


Fig. 23

IL-2 EXPRESSION





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Atty Docket No.: 400684/SOEI
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202-737-6770

Fig.25

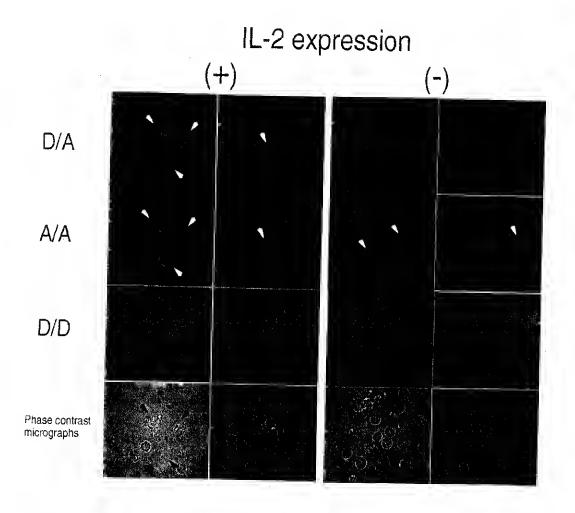


Fig.26

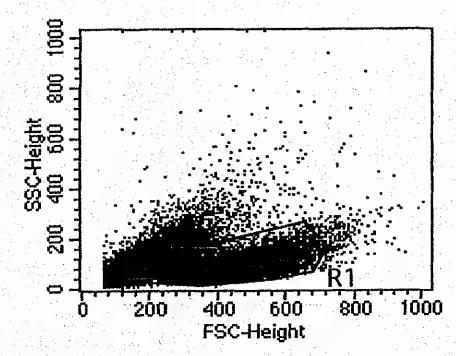
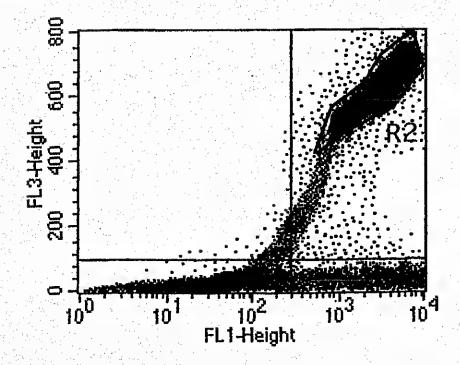


Fig.27



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Fig.28

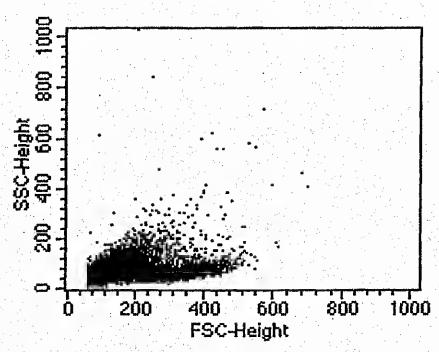
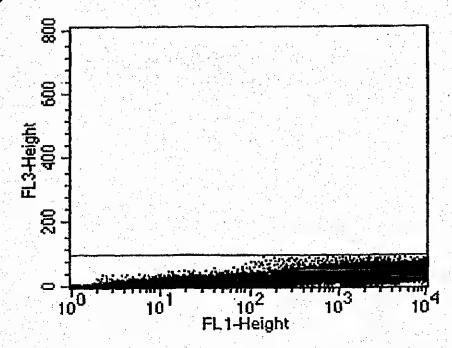


Fig.29



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Fig.30

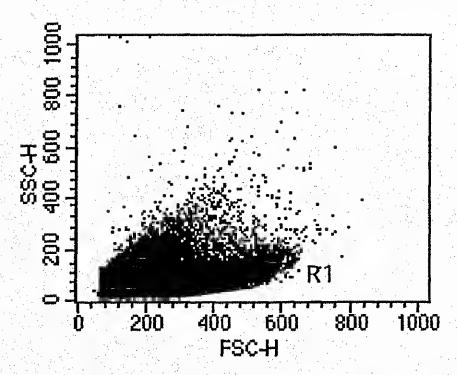
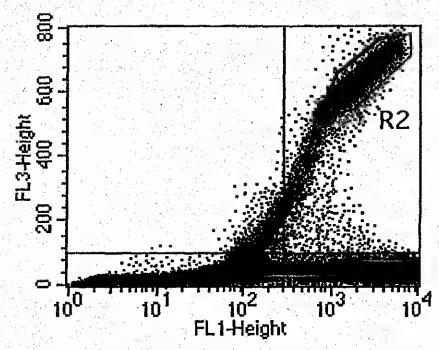


Fig.31



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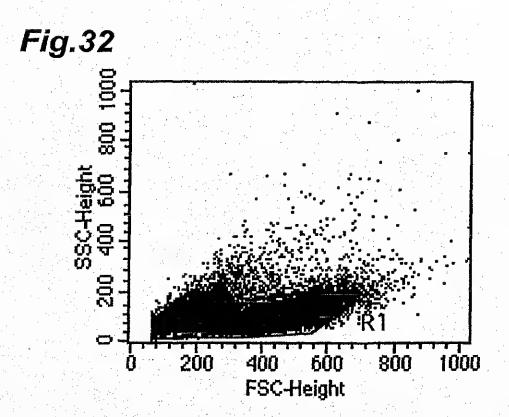
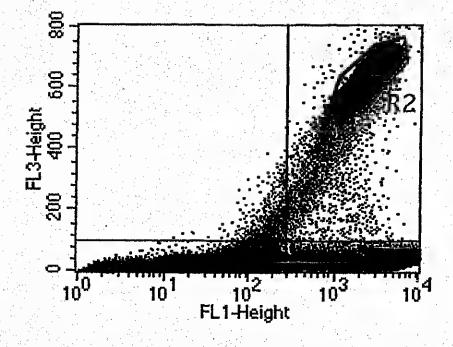


Fig.33



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Fig.34

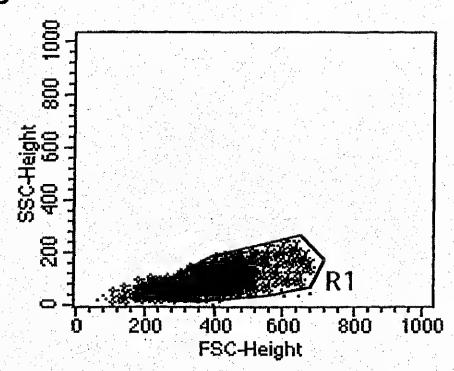
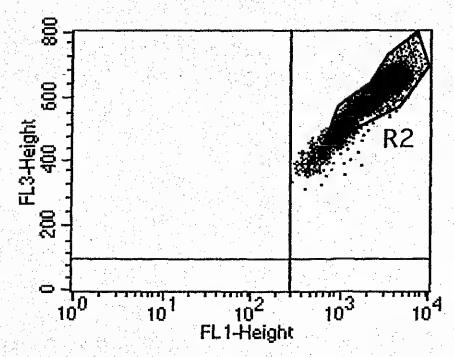
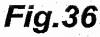


Fig.35

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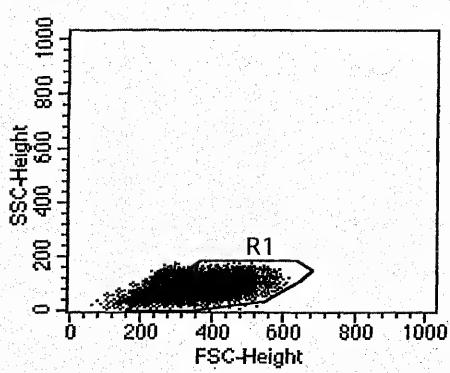
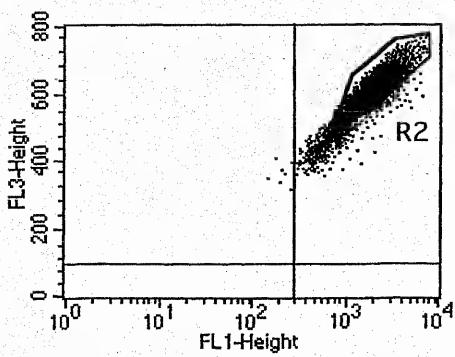


Fig.37

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Fig.38

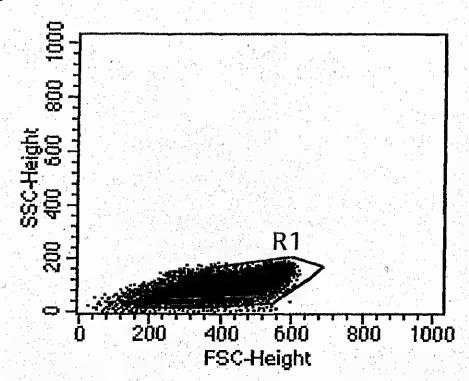
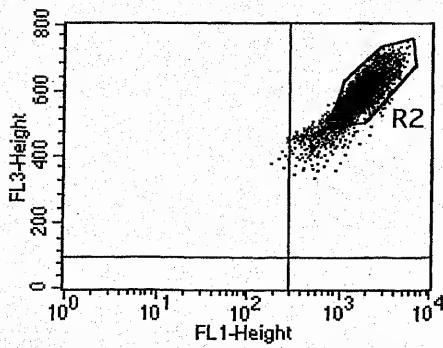


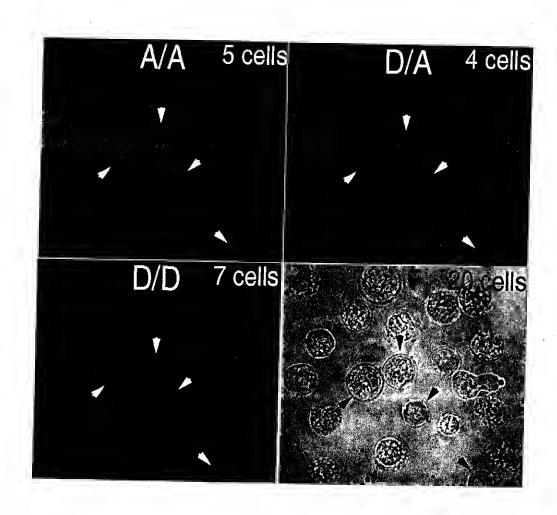
Fig.39

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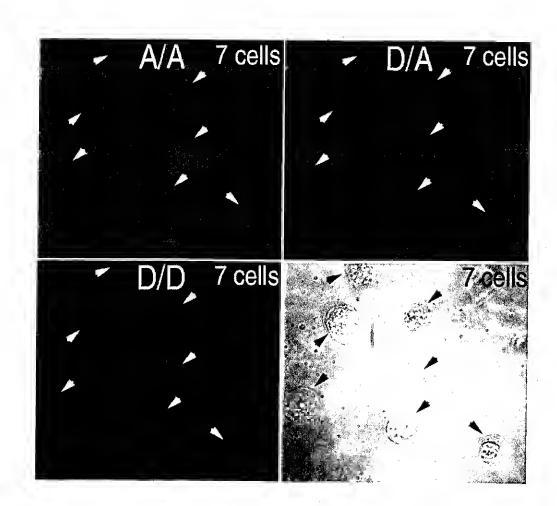
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Fig.40



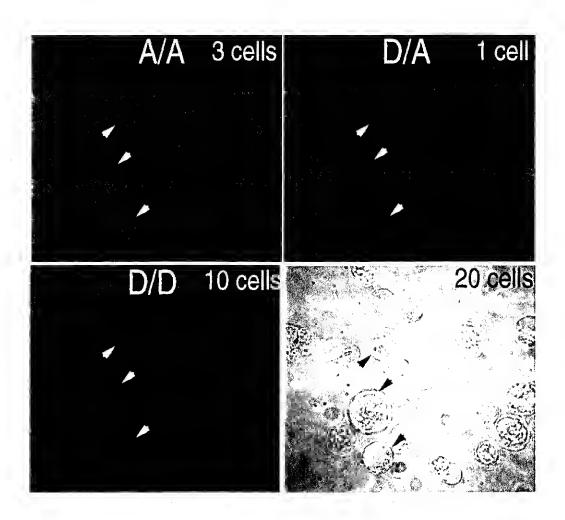
Title: Method For Selectively Seperating Live Cells Expressing A Specific Gene Inventors: ISHIBASHI et al. Atty Docket No. 100684/SOEL Leydig, Voit & Mayer, Ltd. 202-737-6770

Fig.41



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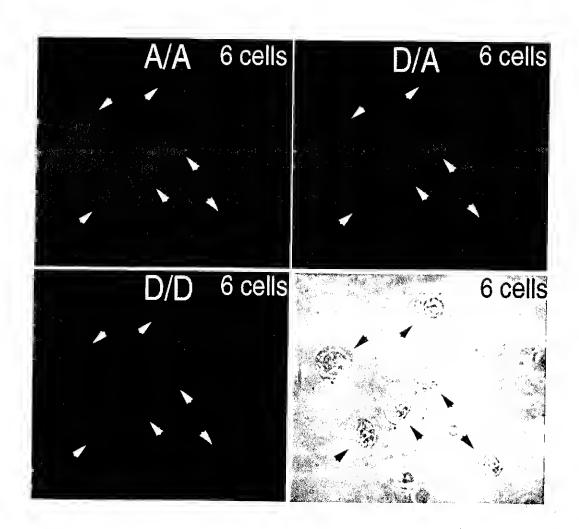
Fig.42



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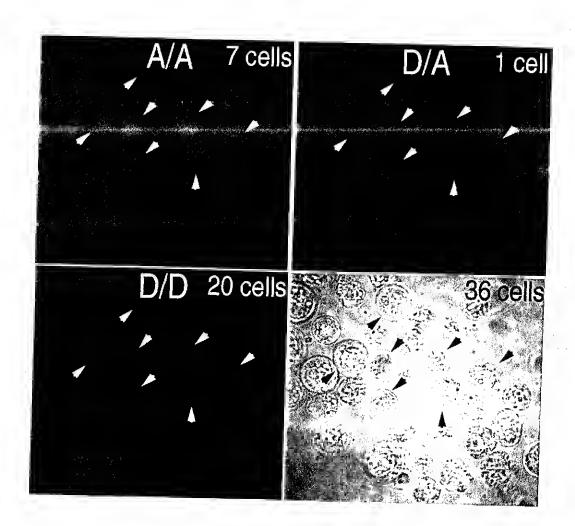
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Fig.43



Title: Method For Selectively Seperating Live Cells Expressing A Specific Gene Inventors: ISHIBASHI et al. Atty Docket No.: 400684/SOEI Leydig, Voit & Mayer, Ltd. 202-737-6770

Fig.44



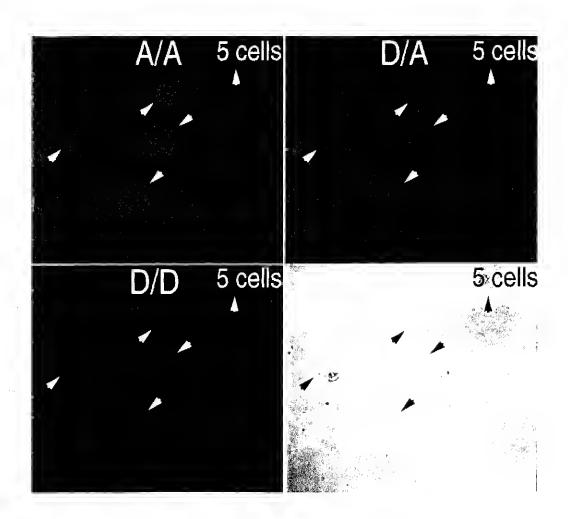
Title: Method For Selectively Seperating Live Cells Expressing A Specific Gene Inventors: ISHIBASHI et al.

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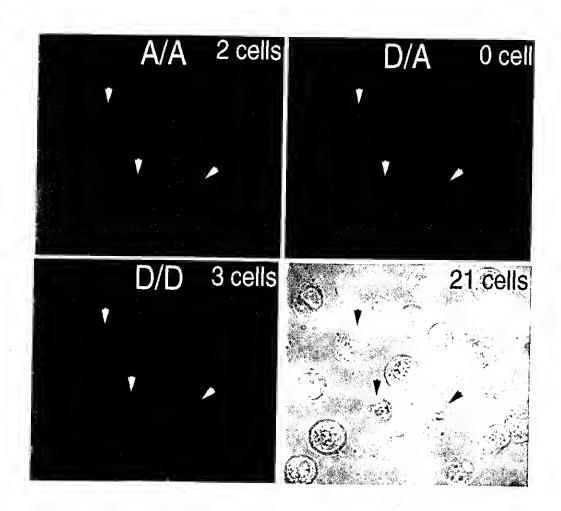
Fig.45



Fitle: Method For Selectively Separating Live Cells Expressing A Specific Gene

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Fig.46



Title: Method For Selectively Separating Live Cells Expressing A Selection Conditions: ISMBASH et al.

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Fig.47

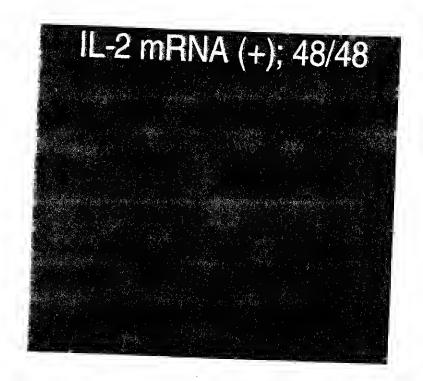


Fig.48



do. Memod for Selectively Seperating Lave Cods Inspiresanty A Spectic Gene Inventors: ISPIBASHL и al. Atty Occket No.: 400684/SCIEI Leydig, Voit & Mayer, Ltd.

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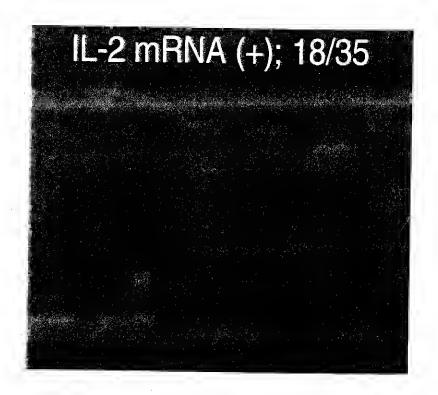
Fig.49



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Fig.50



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Fig.51



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Fig.52



Title: Method For Selectively Seperating Live Cells Expressing A Specific Gene Inventors: ISHIBASHI et al.

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Fig.53



Inventors: ISHIBASHI et al., Atty Docket No.: 400684/SO Leydig, Voit & Mayer, Ltd. 202-737-6770



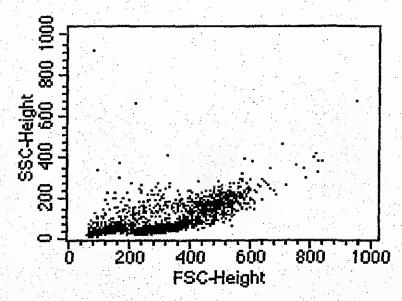


Fig.55

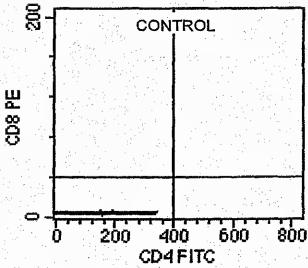
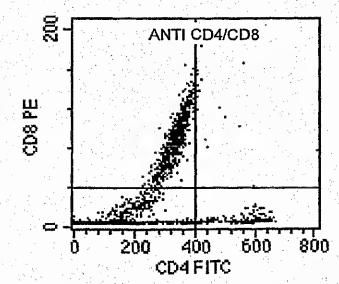
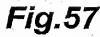


Fig.56



Inventors: ISHIBASHI et al. Atty Docket No.: 400684/SOL Leydig, Volt & Mayer, Ltd.

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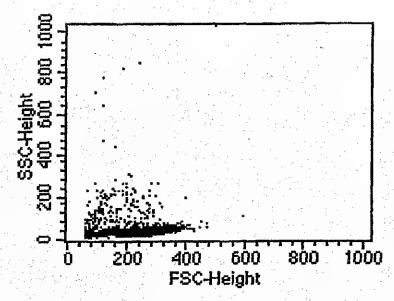


Fig.58

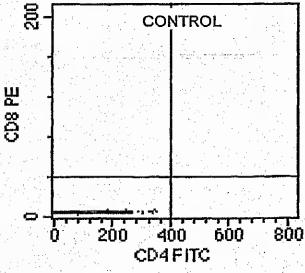
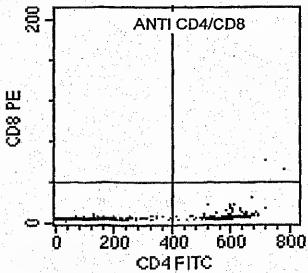
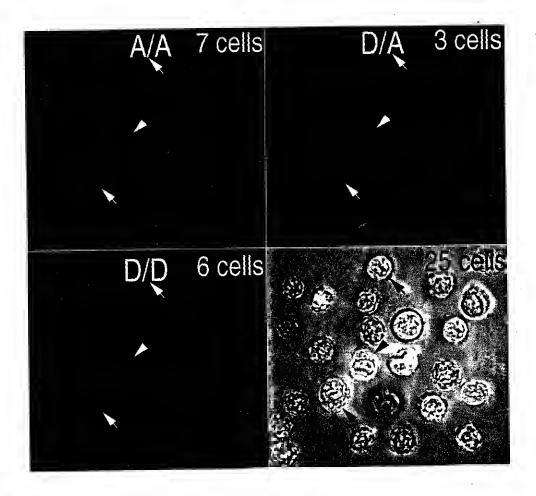


Fig.59



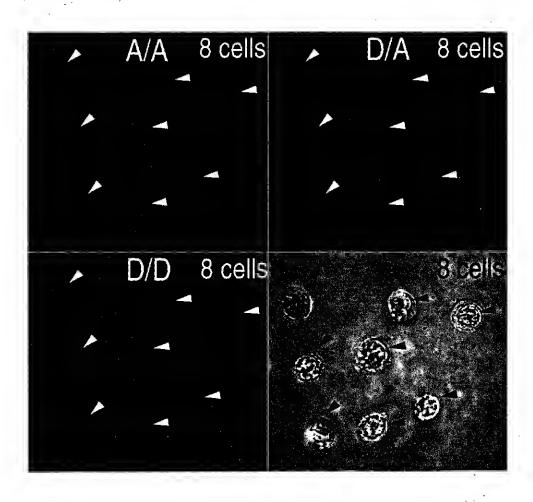
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Fig.60



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Fig.61



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Fig.62

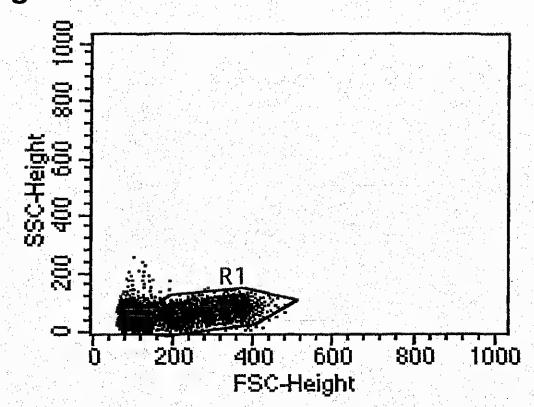
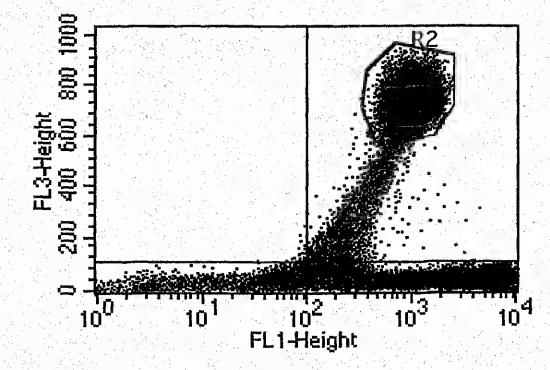
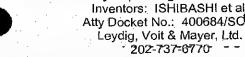


Fig.63





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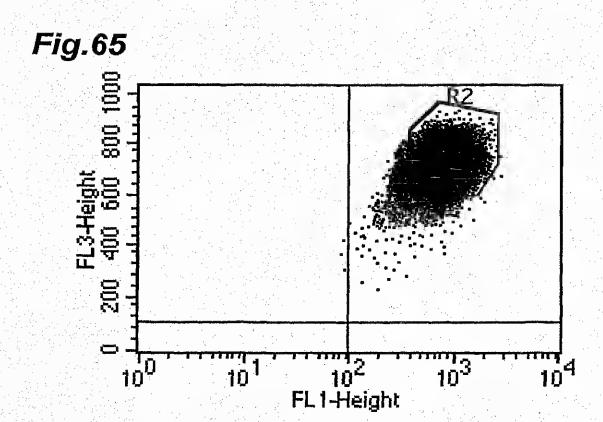
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Fig.64

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Fig.66

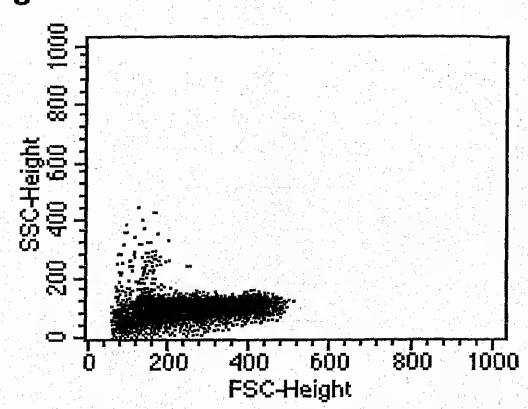
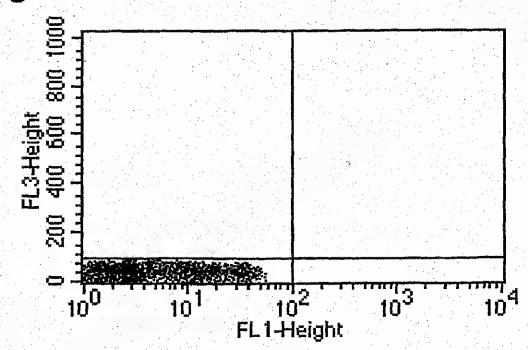


Fig.67

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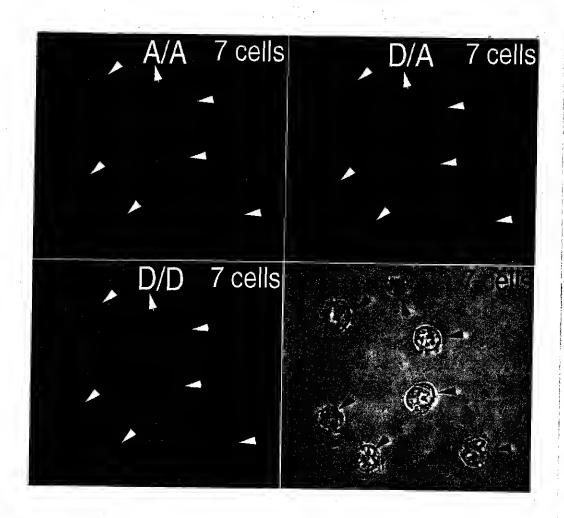
nod For Selectively Seperating Live Cells Expressing A Specific Gene Inventors: ISHIBASHI et a Atty Docket No.: 400684/SOET Leydig, Voit & Mayer, Ltd. 202-737-6770

Fig.68

A/A 11 cells 2 cells D/D 10 cells

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Fig.69



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Fig.70

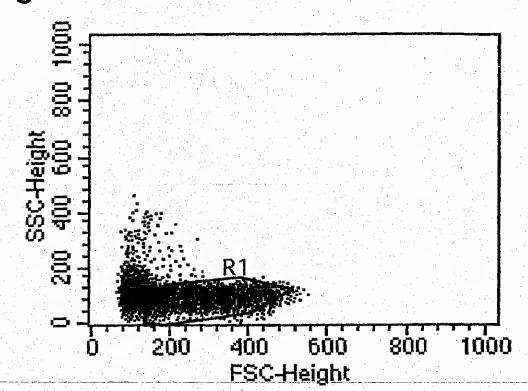
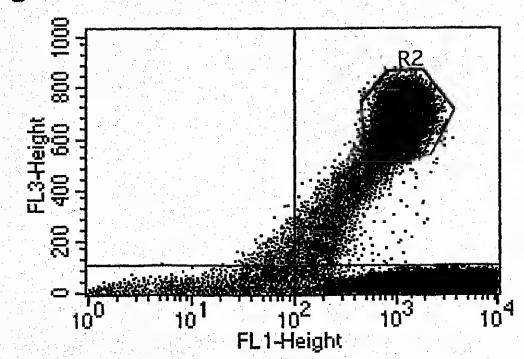
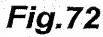


Fig.71

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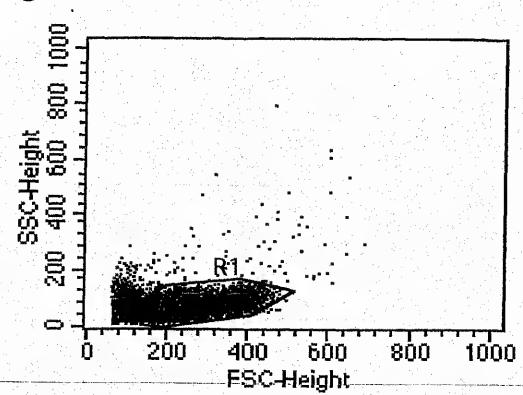
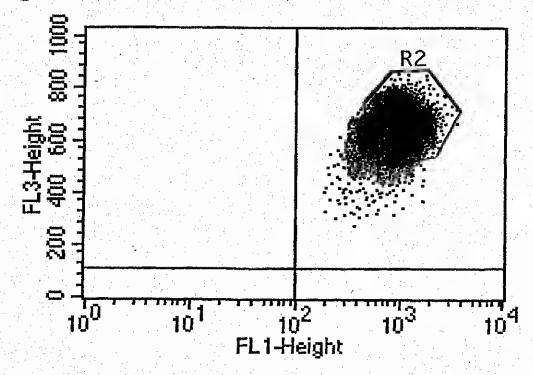


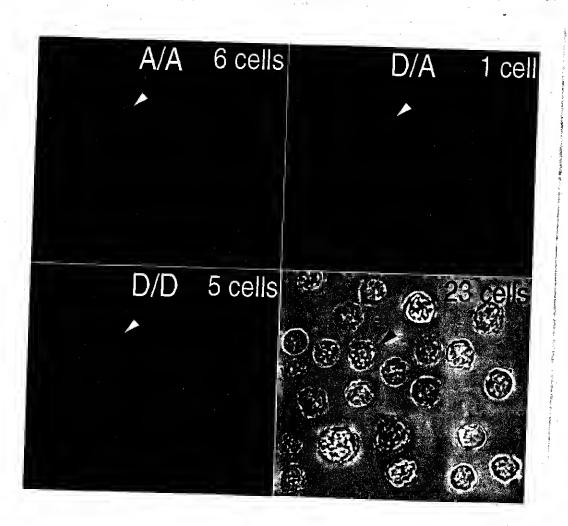
Fig.73

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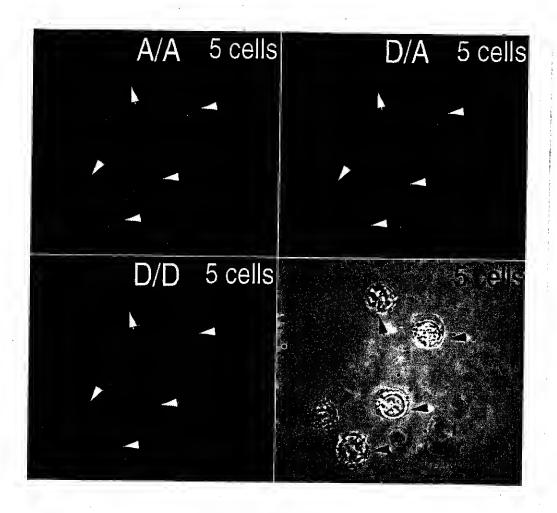
ethod For Selectively Seperating Live Cells expressing A Specific Gene Inventors: ISHIBASHI et al. Atty Docket No.: 400684/S Leydig, Voit & Mayer, Ltd. 202-737-6770

Fig.74



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Fig.75





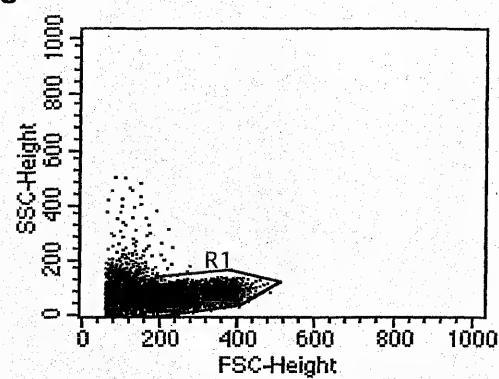


Fig.77

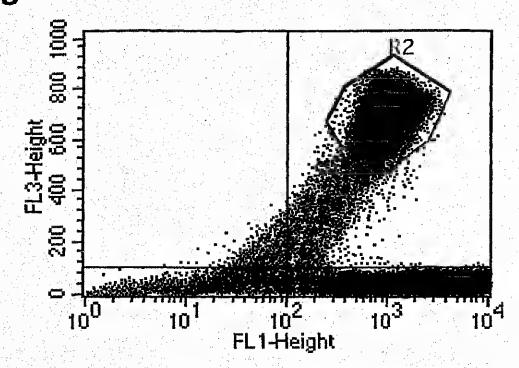


Fig.78

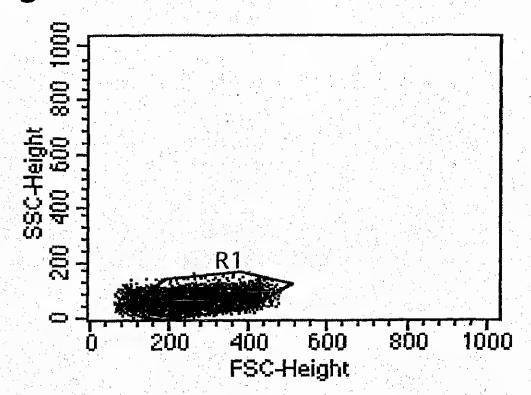
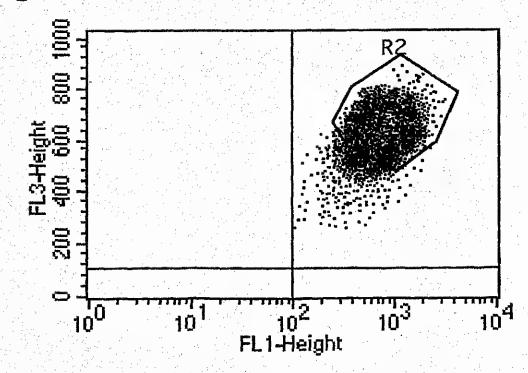
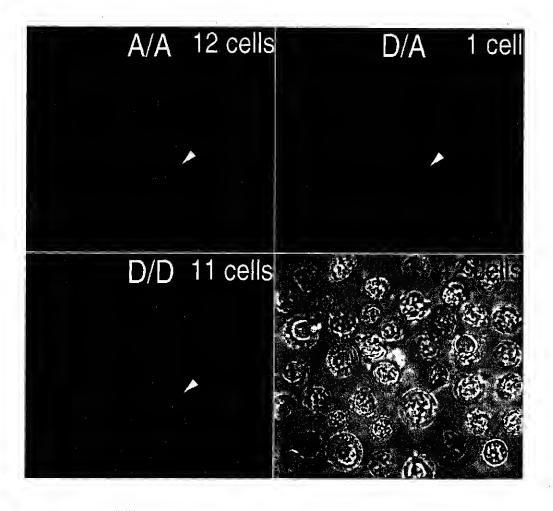


Fig.79



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Fig.80



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Atty Docket No.: 400684/SOFL
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202-737-6770

Fig.81

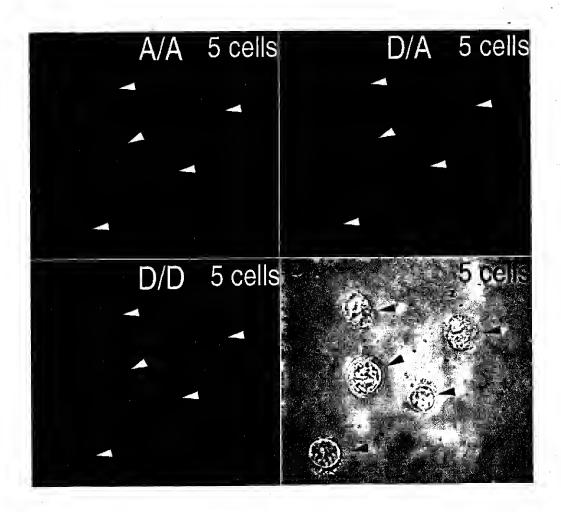


Fig.82

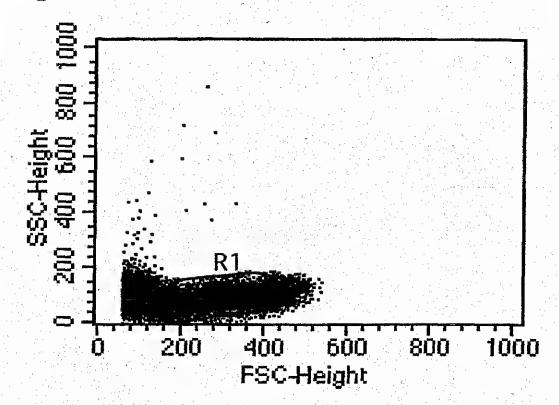


Fig.83

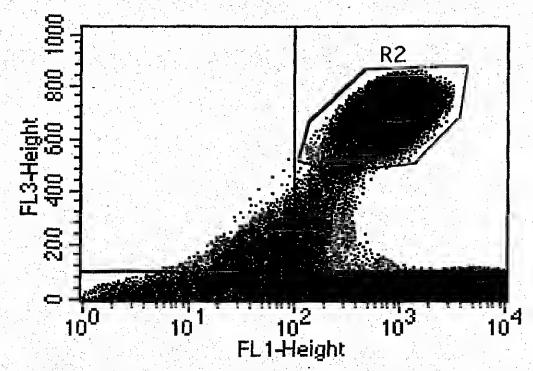


Fig.84

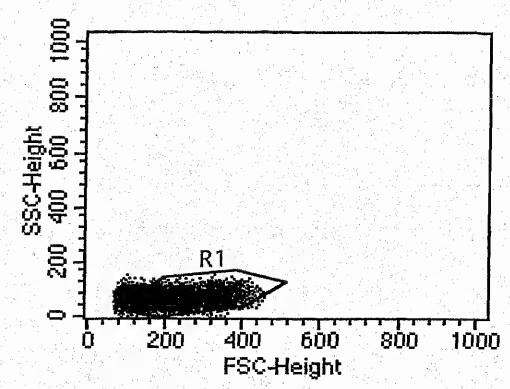
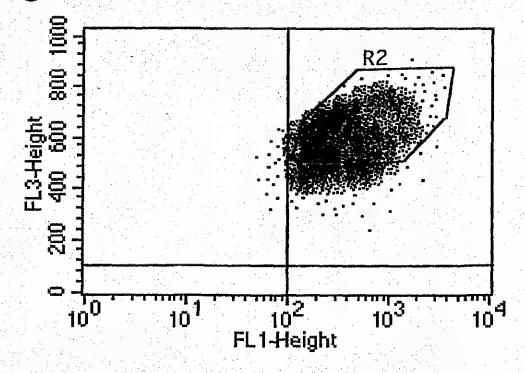


Fig.85



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Fig.86

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Leydig, Voit & Mayer,
202-737-6770

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); 11/11 γ -IF mRNA (+); 14/14 TNF- β mRNA (+); 11/11	IL-10 mRNA (+); 0/9
γ -IF mRNA (+); 14/14	IL-5 mRNA (+); 0/11
IL-2 mRNA (+); 11/11	IL-4 mRNA (+); 0/10

Title: Method For Selectively Seperating Live Cells Expressing A Specific Gene Inventors: ISHIBASHI et al.

Inventors: ISHIBASHI et al. Atty Docket No.: 400684/ Leydig, Voit & Mayer, 202-737-6770

Fig.88



Title: Method For Selectively Seperating Live Cells Expressing A Specific Gene Inventors: ISHIBASHI et al.

Atty Docket No.: 400684/SQEI
Leydig, Voit & Mayer,
202-737-8770

γ -IF mRNA (+); 0/11 TNF- /3 mRNA (+); 0/9	IL-5 mRNA (+); 11/11 IL-10 mRNA (+); 11/11	
	IL-5 mRNA (+); 11/11	
IL-2 mRNA (+); 0/11	IL-4 mRNA (+); 12/12	

Title: Method For Selectively Separating Live Cells Expressing A Specific Galls

Inventors: ISHIBASHI et al. Atty Docket No.: 400684/SQEI Leydig, Voit & Mayer, 202-737-6770

Fig.90

IL-2 mRNA (+); 2/28 IL-2 mRNA (+); 3/35
IL-4 mRNA (+); 8/41 IL-4 mRNA (+); 9/42

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Fig.91

		As a second
INF- /3 mRNA (+); 9/9	IL-10 mRNA (+); 0/9	
γ -IF mRNA (+); 9/9 TNF- β mRNA (+); 9/9	IL-5 mRNA (+); 0/8	
IL-2 mRNA (+); 10/10	IL-4 mRNA (+); 0/9	

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Fig.92

IL-2 mRNA (+); 9/24 IL-2 mRNA (+); 11/29

IL-4 mRNA (+); 1/41 IL-4 mRNA (+); 1/48

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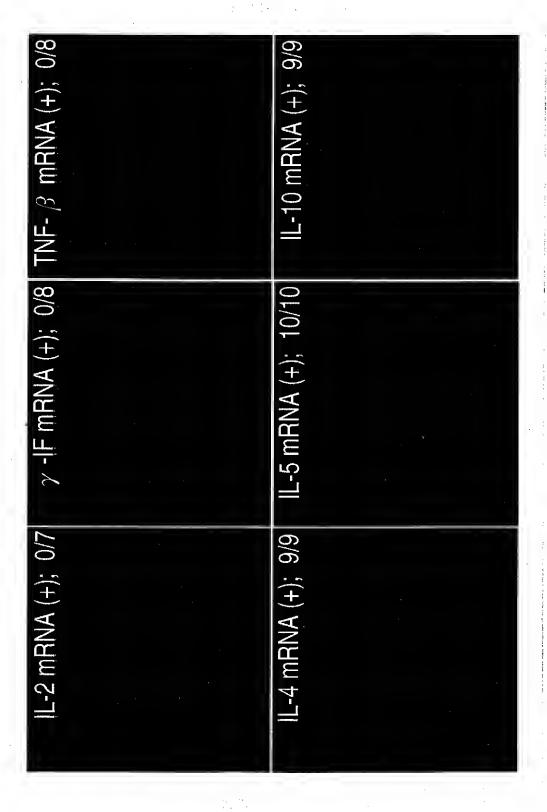


Fig.93

Title: Method For Selectively Seperating Live Cells Expressing A Specific Gene Inventors: ISHIBASHI et al.

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Fig.94

